

# REPLACEMENT SHEET

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1	Nor	(1rom)	-----	-----	-----	----masgap	sfpfsrasgp	( 16 )
2	Ery F	(1oxa)	-----	-----	-----	-----atvp	dle-sdsfhv	( 13 )
3	Terp	(1cpt)	-----	-----	-----mda	ratipehiar	tvilpqgyad	( 23 )
4	Cam	(3cpp)	-----	----tteti	q snanlaplpp	hypehlvfd	dmynpsnl	( 36 )
5	BM3	(2hpd)	-----	-----	-----t	ikempqpkf	gelknlplln	( 21 )
6	2C5	(1dt6)	-----	-----	-----makkt	sskgklppgp	tpfpignil	( 25 )
7	CPC5_RABIT		-----mdpv	vvlvlgcl	lllsiwkqns	grgkl-ppgp	tpfpignil	( 43 )
8	cyp51	(1e9x)	-----	-----	-----ms	avalprvsgg	hdehghleef	( 22 )
9	CP31_RAT		dllsaltlet	wvllavvlvl	lygfgtrthg	lfkkggipgp	kplpffgtvl	
10	CP33_HUMAN		alipdlamet	wlllavslvl	lylygthshg	lfkklgipgp	tplpflgnil	
11	CP34_HUMAN		alipdlamet	wlllavslvl	lylygthshg	lfkklgipgp	tplpflgnil	( 50 )
12	CP35_HUMAN		mdlipnlavet	wlllavslvl	lylygtrthg	lfkrlgipgp	tplpflgnvl	
13	C343_HUMAN		mdlipnfamet	wvlvatslvl	lyiygthshk	lfkklgipgp	tplpflgtl	
14	CP36_RABIT		mdli--fslet	wvllaaslvl	lylygtsthg	lfkkmgipgp	tplpfigtil	
15	CP37_HUMAN		mdlipnlavet	wlllavslvl	lylygtrthg	lfkklgipgp	tplpflgnal	( 51 )
16	CP3C_CANFA		mdlipsfstet	wlllaislvl	lylygtythg	ifrklgipgp	tplpfvgtal	
17	CP3T_PIG		mdlipgfstet	wvllatslvl	lylygtyshg	lfkklgipgp	rplpyfgnil	
18	CP3D_MOUSE		mdlipnfsmet	wmllatslvl	lylygthshg	lfkklgipgp	kplpflgtl	

1	e---ppAEFA	KLRA	t----n	PVSQVKLFdg	sLAWLVTKHK	DVCFVatse-	( 58 )
2	d-----WYST	YAE	ret--a	PVTPVRFL-g	qDAWLVTGYD	EAKAAlsd1-	( 54 )
3	d-ev--IYPA	FKWL	rde--q	PLAMAHIEgy	dPMWIATKHA	DVMQI	( 68 )
4	g-----VQEA	WAVL	qesnvp	DLVWTRCNg-	-GHWIATRGO	LIREA	( 79 )
5	t-d-k-PVQA	LMKI	adel-g	EIFKFEAP-g	rVTRYLSSQR	LIKEAc-des	( 67 )
6	qidakdISKS	LTKF	segvg-	PVFTVYLGmk	-PTVVLHGYE	AVKEAlvdlg	( 73 )
7	qidakdISKS	LTKF	segvg-	PVFTVYLGmk	-PTVVLHGYE	AVKEAlvdlg	( 91 )
8	r-t-d-PIGL	MQRV	rdec-g	DVGTFQLA-g	kQVLLSGSH	ANEFFf-rag	( 66 )
9	nyy-mgLWKF	DVEChkkyg-		KIWGLFDGqm	-PLFAITDTE	MIKNVlvkec	
10	syh-kgFCMF	DMEChkkyg-		KVWGFYDGqq	-PVLAITDPD	MIKLVlvkec	
11	syh-kgFCMF	DMEChkkyg-		KVWGFYDGqq	-PVLAITDPD	MIKTVlvkec	( 97 )
12	syr-qgLWKF	DTECykkyg-		KMWGTYEGql	-PVLAITDPD	VIRTVlvkec	
13	fyl-rgLWNF	DREChkkyg-		EMWGLYEGqq	-PMLVIMDPD	MIKTVlvkec	
14	eyr-kgIWDF	DIECrkkyg-		KMWGLFDGrq	-PLMVITDPD	MIKTVlvkec	
15	sfr-kgYWTF	DMECykkyr-		KVWGIYDCqq	-PMLAITDPD	MIKTVlvkec	( 98 )
16	gyr-ngFYVF	DMKCfskyg-		RMWGFYDGqr	-PVLAITDPD	MIKTVlvkec	
17	gyr-kgVDHF	DKKCFqqyg-		KMWGVYDGqr	-PLLAVTDPN	MIKSVlvkec	
18	ayq-kgFWEC	DIQChkkyg-		KMWGLYDGqr	-PVLAITDPD	IIKTVlvkec	

CSB 1*	CSB 1**	CSB 1
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Figure 1

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1	klskvr----	--trqgfpel	---	<b>SASGKQa</b>	a-----	ka	-kp	<b>TFVDMDP</b>	( 91 )
2	rlssdpkkky	pgvevefpay	lgf	<b>PEDVRN-</b>	-----	y	fat	<b>NMGTS DP</b>	( 94 )
3	lfsnae----	-----	gse	ily	<b>DQNEAf</b>	mrs	isggcph	vid	<b>SLTSMDP</b>
4	hfsse----	----	cpfi--	---	<b>PREAGE-</b>	-----	a	ydf	<b>IPTSMDP</b>
5	rfdknl----	-----	---	<b>SQALKFv</b>	r-----	df	agd	<b>GLFTSWT</b>	( 91 )
6	eefagr----	-----	--	<b>SVPILEk</b>	vs-----		kgl	<b>GIAFSNA</b>	( 98 )
7	eefagt----	-----	--	<b>SVPILEk</b>	vs-----		kgl	<b>GIAFSNA</b>	( 117 )
8	dddldq----	-----	---	<b>AKAYPFm</b>	t-----	pi	fge	<b>GVVFDAS</b>	( 92 )
9	fsvftn----	-----	---	<b>RRDFGPv</b>	gi-----		mgk	<b>AVSVAKD</b>	
10	ysvftn----	-----	---	<b>REPFGPv</b>	gf-----		mks	<b>AIISIAED</b>	
11	ysvftn----	-----	---	<b>RRPFGPv</b>	gf-----		mks	<b>AIISIAED</b>	( 122 )
12	ysvftn----	-----	---	<b>RRSLGPv</b>	gf-----		mks	<b>AIISIAED</b>	
13	ysvftn----	-----	---	<b>QMPLGPm</b>	gf-----		lks	<b>ALSFAED</b>	
14	ysvftn----	-----	---	<b>RRSFGPv</b>	gf-----		mkk	<b>AVSISED</b>	
15	ysvftn----	-----	---	<b>RRPFGPv</b>	gf-----		mkn	<b>AIISIAED</b>	( 123 )
16	ysvftn----	-----	---	<b>RRTLGPv</b>	gf-----		mks	<b>AIISLED</b>	
17	ysvftn----	-----	---	<b>RRSFGPl</b>	ga-----		mrn	<b>ALSIAED</b>	
18	ystftn----	-----	---	<b>RRRFGPv</b>	gi-----		lkk	<b>AIISISEN</b>	
				<b>CSB 2A*</b>			<b>CSB 2A**</b>		

1	--	<b>PEHMHQRS</b>	<b>MVEPTF</b>	tpea	vk--	n	<b>LQPYI</b>	<b>QRTVDDLLEQ</b>	<b>MKQK</b>	gcangp	( 137 )
2	--	<b>PTHTRLRK</b>	<b>LVSQEF</b>	tvrr	----		<b>VEAMR</b>	<b>PRVEQITAEI</b>	<b>LDEV</b>	gds-gv	( 136 )
3	--	<b>PTHAYRG</b>	<b>LTINWF</b>	qpas	ir--	k	<b>LEENI</b>	<b>RRIAQASVQR</b>	<b>LLDF</b>	d--ge	( 150 )
4	--	<b>PEQRQFRA</b>	<b>LANQVV</b>	gmpv	vd--	k	<b>LENRI</b>	<b>QELACSLIES</b>	<b>LRPQ</b>	----gq	( 147 )
5	he	<b>KNWKAHN</b>	<b>ILLPSF</b>	sqqa	m--	k	<b>GYHAMM</b>	<b>VDIAVQLVQK</b>	<b>WERL</b>	n-adeh	( 138 )
6	--	<b>KTWKEMRR</b>	<b>FSLMTL</b>	rnfg	mgkrs		<b>IEDRI</b>	<b>QEEARCLVEE</b>	<b>LRKT</b>	n--asp	( 145 )
7	--	<b>KTWKEMRR</b>	<b>FSLMTL</b>	rnfg	mgkrs		<b>IEDRI</b>	<b>QEEARCLVEE</b>	<b>LRKT</b>	n--asp	( 163 )
8	--	<b>PERRKEML</b>	<b>HNAALR</b>	geq-	----		<b>MKGHA</b>	<b>ATIEDQVRRM</b>	<b>IADW</b>	g-eage	( 133 )
9	--	<b>EEWKRYRA</b>	<b>LLSPTF</b>	tsq-	rlk-	e	<b>MFPII</b>	<b>EQYGDILVKY</b>	<b>LKQE</b>	aetgkp	
10	--	<b>EEWKRLRS</b>	<b>LLSPTF</b>	tsq-	klk-	e	<b>MVPPII</b>	<b>AQYGDVLVRN</b>	<b>LRRE</b>	retgkp	
11	--	<b>EEWKRLRS</b>	<b>LLSPTF</b>	tsq-	klk-	e	<b>MVPPII</b>	<b>AQYGDVLVRN</b>	<b>LRRE</b>	aetgkp	( 168 )
12	--	<b>EEWKRIIRS</b>	<b>LLSPTF</b>	tsq-	klk-	e	<b>MFPII</b>	<b>AQYGDVLVRN</b>	<b>LRRE</b>	aekgkp	
13	--	<b>EEWKRIIRT</b>	<b>LLSPAFT</b>	sv-	kfk-	e	<b>MVPPII</b>	<b>SQCGDMLVRS</b>	<b>LRQE</b>	aensks	
14	--	<b>EDWKRVRT</b>	<b>LLSPTF</b>	tsq-	klk-	e	<b>MLPII</b>	<b>AQYGDVLVRN</b>	<b>LRQE</b>	aekgkp	
15	--	<b>EEWKRIIRS</b>	<b>LLSPTF</b>	tsq-	klk-	e	<b>MVPPII</b>	<b>AQYGDVLVRN</b>	<b>LRRE</b>	aetgkp	( 169 )
16	--	<b>EEWKRMRT</b>	<b>LLSPTF</b>	ttg-	klk-	e	<b>MFPII</b>	<b>GQYGDVLVNN</b>	<b>LRKE</b>	aekgka	
17	--	<b>EEWKRIIRT</b>	<b>LLSPTF</b>	tsq-	klk-	e	<b>MFPII</b>	<b>SHYGDVLVSN</b>	<b>LRKE</b>	aekgkp	
18	--	<b>EEWKRIIRA</b>	<b>LLSPTF</b>	tsq-	rlk-	e	<b>MFPII</b>	<b>NQFTDVLVRN</b>	<b>MRQGL</b>	gegkp	
		<b>CSB 2A</b>					<b>CSB 2B</b>				

Figure 1 (cont'd)

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1	VDLVKEFALP	VPSYIIYTLL	GVP-----	---FNDLEYL	TQQNAIR	ng	( 177 )
2	VDIVDRFAHP	LPIKVICELL	GVD-----	---EAARGAF	GRWSSEIL	vm	( 176 )
3	CDFMTDCALY	YPLHVMTAL	GVP-----	---EDDEPLM	LKLTQDFF	gv	( 190 )
4	CNFTEDYAEP	FPIRIFMLLA	GLP-----	---EEDIPHL	KYLTDQMT	rp	( 187 )
5	IEVPEDMTRL	TLDTIGLCGF	NYRfnsfyrd	qphPFITSMV	RALDEAMN	kl	( 188 )
6	CDPTFILGCA	PCNVICSVIF	HNRfdyk--d	---EEFLKLM	ESLHENVEL	l	( 190 )
7	CDPTFILGCA	PCNVICSVIF	HNRfdyk--d	---EEFLKLM	ESLNENVR	ril	( 208 )
8	IDLLDFFAEL	TIYTSSACLI	GKKF----rd	qldGRFAKLY	HELERGTD	pl	( 179 )
9	VTMCKVFGAY	SMDVITSTSE	GVNvdsl--n	---NPKDPFV	EKTKKLLR	fd	
10	VTLKDVFGAY	SMDVITSSSE	GVNvdsl--n	---NPQDPLV	ENTKKLLR	fd	
11	VTLKDVFGAY	SMDVITSTSE	GVNidsl--n	---NPQDPFV	ENTKKLLR	fd	( 213 )
12	VTMKDIFGAY	SMDVITGTSE	GVNidsl--n	---NPQDPFV	ESTKKFLK	fg	
13	INLKDFFGAY	TMDVITGTLE	GVNidsl--n	---NPQDPFL	KNMKKLLK	ld	
14	VDLKEIFGAY	SMDVITGTSE	GVNidsl--r	---NPQDPFV	KNVRRLK	fs	
15	VTLKHFVGAY	SMDVITSTSE	GVSidsl--n	---NPQDPFV	ENTKKLLR	fn	( 214 )
16	INLKDVFGAY	SMDVITSTSE	GVNidsl--n	---HPQDPFV	ENTKKLLK	fd	
17	VTMKDIFGAY	SMDVITSTAF	GVNidsl--n	---NPQDPFV	ENSKKLLK	fs	
18	TSMKDIFGAY	SMDVITATSE	GVNidsl--n	---NPQDPFV	EKIKKLLK	fd	

CSB 3

CSB 4

1	-----	-----s	stareASAAN	QELLDYLAIL	VEQRLV----	( 204 )
2	d-----	-----p	eraeqRGQAA	REVVNFI	LDL VERRRT----	( 204 )
3	-----	-----	eaarrFHETI	ATFYDYFNGF	TVDRRS----	( 216 )
4	d-----	-----g	sm--tFAEAK	EALYDYLIPI	IEQRRQ----	( 213 )
5	gra---npdd	-pa---y--d	enkrqFQEDI	KVMNDLV	DKI IADRKA---s	( 226 )
6	gtpwlqvynn	fpalldyfp-	gihktLLKNA	DYIKNFIMEK	VKEHQKl--ld	( 238 )
7	sspwlvqynn	fpalldyfp-	gihktLLKNA	DYIKNFIMEK	VKEHEKl--ld	( 256 )
8	ayv---dpyl	-pi-----	esfrrRDEAR	NGLVALVADI	MNGRIAnp--	( 216 )
9	ffd--plfls	vvlfpfltpi	yemlnICMFP	KDSIEFFKKF	VYRMKEtrld	
10	fld--pffls	itvfpflipi	levlnICVFP	REVTNFLRKA	VKRMKEsrle	
11	fld--pffls	itvfpflipi	levlnICVFP	REVTNFLRKS	VKRMKEsrle	( 261 )
12	fld--plfls	iilfpfltpv	fealnVSLFP	KDTINFLSKS	VNRMKKsrln	
13	fld--pflll	islfpfltpv	fealnIGLFP	KDVTHFLKNS	IERMKEsrk	
14	ffd--pllls	itlfpfltpi	fealhISMFP	KVMDFLKTS	VEKIKDdrk	
15	pld--pfvls	ikvfpfltpi	lealnITVFP	RKVISFLTKS	VKQIKEgrlk	( 262 )
16	fld--pfffs	illfpfltpv	feilnIWLFP	KKVTDFFRKS	VERMKEsrk	
17	ffd--pflls	liffpfltpi	fevlnITLFP	KSSVNFFTKS	VKRMKEsrlt	
18	ifd--plfls	vtlfpfltpv	fdalnVSLFP	RDVISFFTTS	VERMKENrmk	

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Figure 1 (cont'd)

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1	---	epkd	DII	SKLCTeqv	kp	--g-----	ni	DKSDAVQI	AFLLLVAGNA	( 242 )	
2	---	epgd	DL	SALISvq	ddd	-dg-----	r	LSADELTSI	ALVLLLAGFE	( 243 )	
3	---	cpkd	DVM	SLLANsk	ld-	--gn-----	yi	DDKYINAY	YVAIATAGHD	( 254 )	
4	---	kp	gt	DAI	SIVANGq	vn-	--gr-----	pi	TSDEAKRM	CGLLVGGLD	( 251 )
5	---	geqsd	DL	THMLNg	kdpe	t-ge-----	p	LDDENIRYQ	IITFLIAGHE	( 267 )	
6	-v-nnpr	DFI	DCFLI	kmeqe	n	----n---l	ef	TLESLVIA	VSDLFAGTE	( 279 )	
7	-v-nnpr	DFI	DCFLI	kmeqe	n	----n---l	ef	TLESLVIA	VSDLFAGTE	( 297 )	
8	ptdksdr	DML	DVLIA	-vkae	t-gt----	p	r	fSADEITGM	FISMMFAGHH	( 259 )	
9	svqkhrv	DFL	QLMMN	ahnds	kdkesht---	al	SDMEITAQ	SIIFIFAGYE			
10	dtqkhrv	DFL	QLMID	shkns	keteshk---	al	SDLELVAQ	SIIFIFAGYE			
11	dtqkhrv	DFL	QLMID	sq-ns	keteshk---	al	SDLELVAQ	SIIFIFAGYE	( 307 )		
12	dkqkhrv	DFL	QLMID	sq-ns	keteshk---	al	SDLELAAQ	SIIFIFAGYE			
13	dkqkhrv	DF	QOMID	sq-ns	ketkshk---	al	SDLELVAQ	SIIFIFAGYE			
14	dkqkrrv	DFL	QLMIN	sq-ns	keidshk---	al	DDIEVVAQ	SIIFIFAGYE			
15	etqkhrv	DFL	QLMID	sq-ns	kdsethk---	al	SDLELMAQ	SIIFIFAGYE	( 308 )		
16	dkqkhrv	DFL	QLMIN	sq-ns	kemdthk---	al	SDLELVAQ	SIIFIFAGYE			
17	dqqkrrv	DL	QLMIN	sq-ns	kemdphk---	sl	SNEELVAQ	GIIFIFAGYE			
18	nkekqr	vDFL	QLMIN	sq-ny	ktkeshk---	al	SDVEIVAQ	SVIFIFAGYE			
			CSB 6					CSB 7A			

1	TMVNMIALGV	ATLAQ-HPDQ	LAQLKA----	-----	-----	np	SLA	( 272 )
2	ASVSLIGIGT	YLLLT-HPDQ	LALVRA----	-----	-----	dp	SAL	( 273 )
3	TTSSSSGGAI	IGLSR-NPEQ	LALAKS----	-----	-----	dp	ALI	( 284 )
4	TVVNFLSFSM	EFLAK-SPEH	RQELIE----	-----	-----	rp	ERI	( 281 )
5	TTSGLLSFAL	YFLVK-NPHV	LQKAAE-e	-aa	r	vlvdp-vps	ykqvkqlKYV	( 314 )
6	TTSTTLRYSL	LLLLK-HPEV	AARVQ	Eier	v	grhrs-pc	mqdrsrmpYT	( 327 )
7	TTSTTLRYSL	LLLLK-HPEV	AARVQ	Eier	v	grhrs-pc	mqdrsrmpYT	( 345 )
8	TSSGTASWTL	IELMR-HRDA	YAAVIDE	-ld	e	lygdgrsvs	fhalrqiPQL	( 307 )
9	PTSSTLSFVL	HSLAT-HPDT	QKKLQ	Eidr	a	lpnka-ppt	ydtvmemEYL	
10	TTSSVLSFIM	YELAT-HPDV	QKKLQ	Eida	v	lpnka-ppt	ydtvlqmEYL	
11	TTSSVLSFIM	YELAT-HPDV	QKKLQ	Eida	v	lpnka-ppt	ydtvlqmEYL	( 355 )
12	TTSSVLSFTL	YELAT-HPDV	QKKLQ	Eida	v	lpnka-ppt	ydavvqmEYL	
13	TTSTTLPPFIM	YELAT-HPDV	QKKLQ	Eida	v	lpnka-pvt	ydavvqmEYL	
14	TTSSVLSFIM	HLLAT-HPDV	QKKLQ	Eidt	l	lpnke-lat	ydtlvkmEYL	
15	TTSSVLSFII	YELAT-HPDV	QKKVQ	Eidt	v	lpnka-ppt	ydtvlqlEYL	( 356 )
16	TTSTSLSFIM	YELAT-HPDV	QKKLQ	Eida	t	fpnka-lpt	ydavvqmEYL	
17	TTSSALSLLA	YELAT-HPDV	QKKLQ	Eiea	t	fpnka-ppt	ydalaqmEYL	
18	TTSSALSFAL	YLLAT-HPDV	QKKLQ	Eida	a	lpnka-pat	ydtllqmEYL	
		CSB 7A	CSB 7B				CSB 8	

Figure 1 (cont'd)

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1	PQFVEELCRY	HTASalaiKR	TAKEDVMIGD	-KLVRANEGI	IASNQSANRD	( 321 )
2	PNAVEEILRY	IAPPet-tTR	FAAEEVEIGG	-VAIPQYSTV	LVANGAANRD	( 321 )
3	PRLVDEAVRW	TAPVks-fMR	TALADTEVRG	-QNIKRGDRI	MLSYPSANRD	( 332 )
4	PAACEELLRR	FSLVa--dGR	ILTSDYEFHG	-VQLKKGDQI	LLPQMLSGLD	( 328 )
5	GMVLNEALRL	WPTAp-afSL	YAKEDTVLGG	eYPLEKGDEL	MVLIPQLHRD	( 363 )
6	DAVIHEIQRF	IDLLptnlPH	AVTRDVFRFN	-YFIPKGTDI	ITSLTSVLHD	( 376 )
7	DAVIHEIQRF	IDLLptnlPH	AVTRDVFRFN	-YFIPKGTDI	ITSLTSVLHD	( 394 )
8	ENVLKETLRL	HPPLi-ilMR	VAKGEFEVQG	-HRIHEGDLV	AASPAISNRI	( 355 )
9	DMVLNETLRL	YPIGnr-ler	VCKKDVEING	-VFMPKGSVV	MIPSYALHRD	
10	DMVVNETLRL	FPIAmr-ler	VCKKDVEING	-MFIPKGWVV	MIPSYALHRD	
11	DMVVNETLRL	FPIAmr-ler	VCKKDVEING	-MFIPKGWVV	MIPSYALHRD	( 403 )
12	DMVVNETLRL	FPVAir-ler	TCKKDVEING	-VFIPKGSVM	VIPTYALHHD	
13	DMVVNETLRL	FPVVs-rvTR	VCKKDIEING	-VFIPKGLAV	MVPIYALHHD	
14	DMVVNETLRL	YPIAgr-ler	VCKKDVDING	-TFIPKGTIV	MMPTYALHRD	
15	DMVVNETLRL	FPVAmr-ler	VCKKDVEING	-MFIPKGVVV	MIPSYVLHHD	( 404 )
16	DMVLNETLRL	YPIAgr-ler	VCKKDVEISG	-VFIPKGTIV	MVPTFTLHRD	
17	DMVVNETLRL	YPIAar-ler	ACKKDVEIHG	-VFVPKGTIV	VVPVFLHRD	
18	DMVVNETLRL	YPIAgr-ler	VCKTDVEING	-LFIPKGTIV	MIPTFALHKD	
	CSB 8		CSB 9		CSB 10	

1	EEVF-ENPDE	ENMnrk----	---wppq-dP	LGFGFGDHR	IAEHLAKAEL	( 362 )
2	PSQF-PDPHR	FDVtrd----	---tr---gH	LSFGQGIHF	MGRPLAKLEG	( 360 )
3	EEVF-SNPDE	FDItrf----	----p-n-rH	LGFGWGAHM	LGQHLAKLEM	( 371 )
4	EREN-ACPMH	VDFsrq----	----k-v-sH	TTFGHGSHL	LGQHLARREI	( 367 )
5	KTIWgDDVEE	FRPerfenps	a--ipqh-aF	KPFGNGQRA	IGQQFALHEA	( 410 )
6	EKAF-PNPKV	FDPghfldes	-gnfkksdyF	MPFSAGKRM	VGEGLARMEL	( 424 )
7	EKAF-PNPKV	FDPghfldes	-gnfkksdyF	MPFSAGKRM	VGEGLARMEL	( 442 )
8	PEDF-PDPHD	FVParyeqpr	qedllnrwtW	IPFGAGRHR	VGAFAAIMQI	( 404 )
9	PQHW-PEPEE	FRPerfsken	kgsidpy-vY	LPFGNGPRN	IGMRFALNMN	
10	PKYW-TEPEK	FLPerfskkn	kdnippy-iY	TPFGSGPRN	IGMRFALNMN	
11	PKYW-TEPEK	FLPerfskkn	kdnidpy-iY	TPFGSGPRN	IGMRFALNMN	( 451 )
12	PKYW-TEPEE	FRPerfskkn	kdsidpy-iY	TPFGTGPRN	IGMRFALNMN	
13	PKYW-TEPEK	FCPerfskkn	kdsidly-rY	IPFGAGPRN	IGMRFALTNi	
14	PQHW-TEPDE	FRPerfskkn	kdninpy-iY	HPFGAGPRN	IGMRFALMNI	
15	PKYW-TEPEK	FLPerfskkn	kdnidpy-iY	TPFGSGPRN	IGMRFALVNM	( 452 )
16	QSLW-PEPEE	FRPerfsrkn	kdsinpy-tY	LPFGTGPRN	IGMRFALNMN	
17	PDLW-PEPEE	FRPerfskkn	kdtinpy-tY	LPFGTGPRN	IGMRFALNMN	
18	PKYW-PEPEE	FRPerfskkn	qdsinpy-mY	LPFGSGPRN	IGMRFALINM	
	CSB 10	CSB 11		CSB 12A	CSB 12B	

Figure 1 (cont'd)

# REPLACEMENT SHEET

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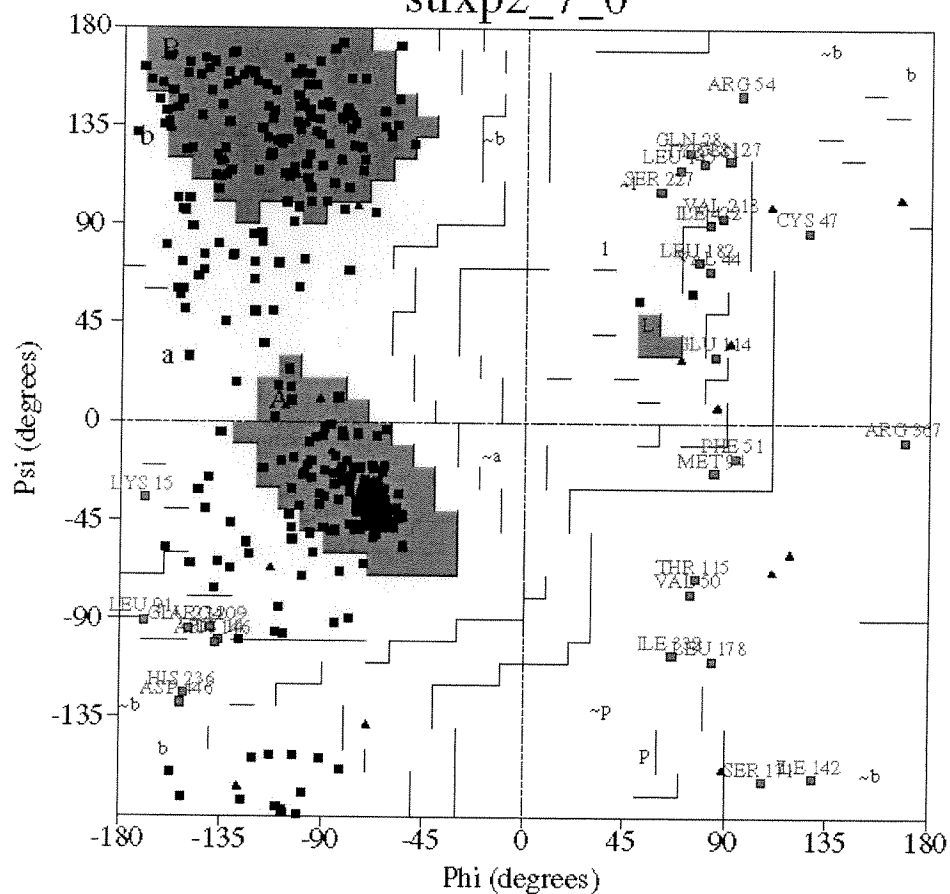
1	TTVFSTLYQK	F--PDLKVav	plgKINYTPL	NRdVGIVDLP	Vif	( 403 )
2	EVALRALFGR	Fp-ALSLGid	ad-DVVWRRS	LLlRGIDHLP	Vrldg	( 403 )
3	KIFFEELLPK	L-kSVELSg-	---PPRLVAT	NFvGGPKNVP	Irftka	( 412 )
4	IVTLKEWLTR	IpdFSIAP--	g--AQIQHKS	GivSGVQALP	Lvwdpattka v	( 414 )
5	TLVLGMMLKH	F--DFEDHt-	-n-YELDIKE	TLtLKPEGFV	Vkaksckipl ggip	( 459 )
6	FLFLTSLQON	F--KLQSLve	pkdLDITAVV	NGfVSVPPSY	Qlcf---ipi hhhh	( 473 )
7	FLFLTSLQON	F--KLQSLve	pkdLDITAVV	NGfVSVPPSY	Qlcf---ipi	( 487 )
8	KAIFSVLLRE	Y--EFEMAqp	p-eSYRNDHS	KMvVQLAQPA	Cvryrrrtgv	( 450 )
9	KLALTKVLQON	F--SFQPCke	tq-IPLKLSR	QG1LQPTKPI	Ilkvvpr---	
10	KLALIRVLQON	F--SFKPCke	tq-IPLKLSL	GG1LQPEKPV	Vlkvesr---	
11	KLALIRVLQON	F--SFKPCke	tq-IPLKLSL	GG1LQPEKPV	Vlkvesrdgt vsga	( 502 )
12	KLALIRVLQON	F--SFKPCke	tq-IPLKLDT	QG1LQPEKPI	Vlkvdsrdgt lsge	
13	KLAVIRALQON	F--SFKPCke	tq-IPLKLDN	LP1LQPEKPI	Vlkhvldrdgi tsge	
14	KLALVRMLQON	F--SFKLCke	tq-VPLKLK	QG1LQPEKPI	Vlkvvsrdgi irga	
15	KLALVRVLQON	F--SFKPCke	tq-IPLKLRF	GG1LLTEKPI	Vlkaesrdet vsga	( 503 )
16	KLALVRVLQON	F--SFKPCke	tq-IPLKLNA	QG1IQPEKPI	Vlkveprdgs vnga	
17	KLALVRVLQON	F--SFKPCke	tq-IPLKLT	QG1TQPEKPV	Vlkilprdgt vsga	
18	KVALVRVLQON	F--TVQPCke	te-IPLKLSK	QG1LQPENPL	Llkvvsrdet vsde	
	CSB 12B	CSB 13*	CSB 13**	CSB 13		

Figure 1 (cont'd)

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PROCHECK

Ramachandran Plot  
strxp2\_7\_0



Plot statistics		
Residues in most favoured regions [A,B,L]	291	72.9%
Residues in additional allowed regions [a,b,l,p]	79	19.8%
Residues in generously allowed regions [~a,~b,~l,~p]	20	5.0%
Residues in disallowed regions	9	2.3%
-----		
Number of non-glycine and non-proline residues	399	100.0%
Number of end-residues (excl. Gly and Pro)	2	
Number of glycine residues (shown as triangles)	21	
Number of proline residues	30	
-----		
Total number of residues	452	

**FIGURE 2**

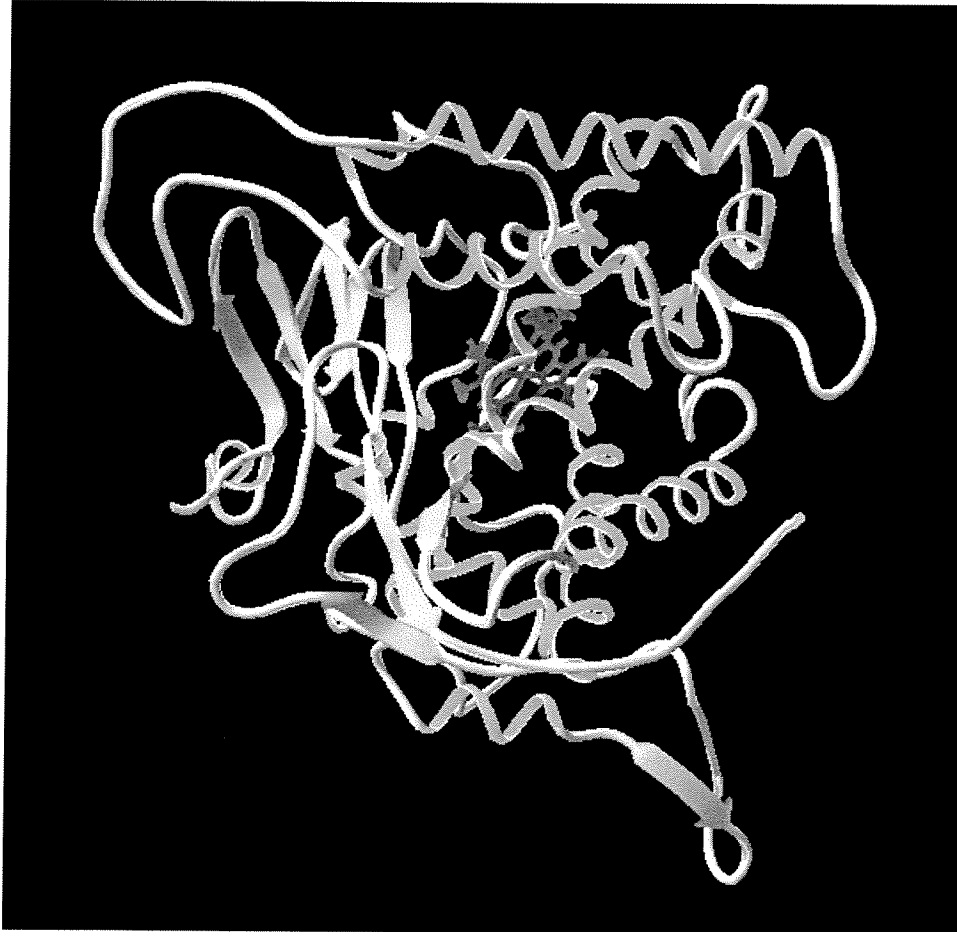


FIGURE 3



# REPLACEMENT SHEET

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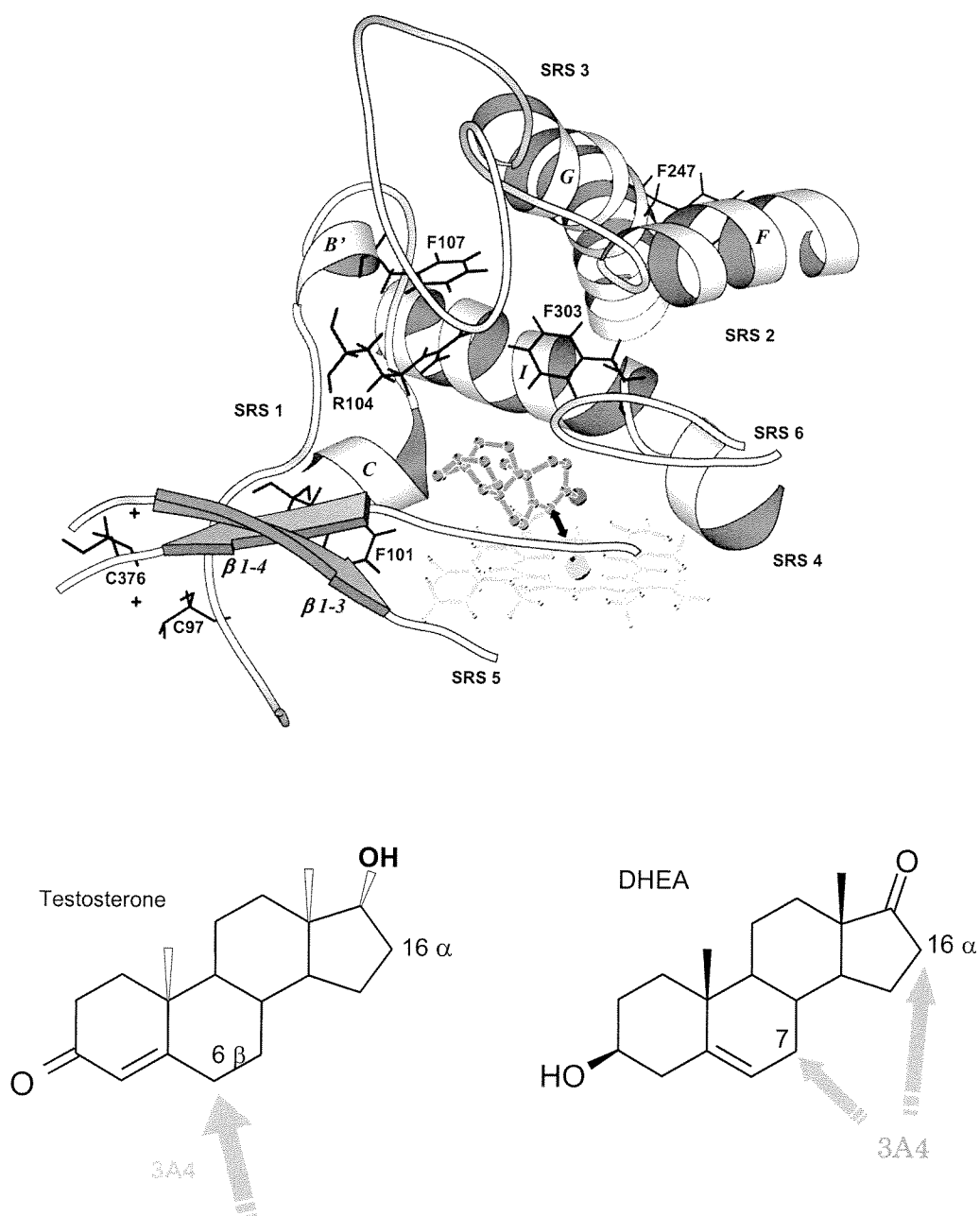


FIGURE 4A

# REPLACEMENT SHEET

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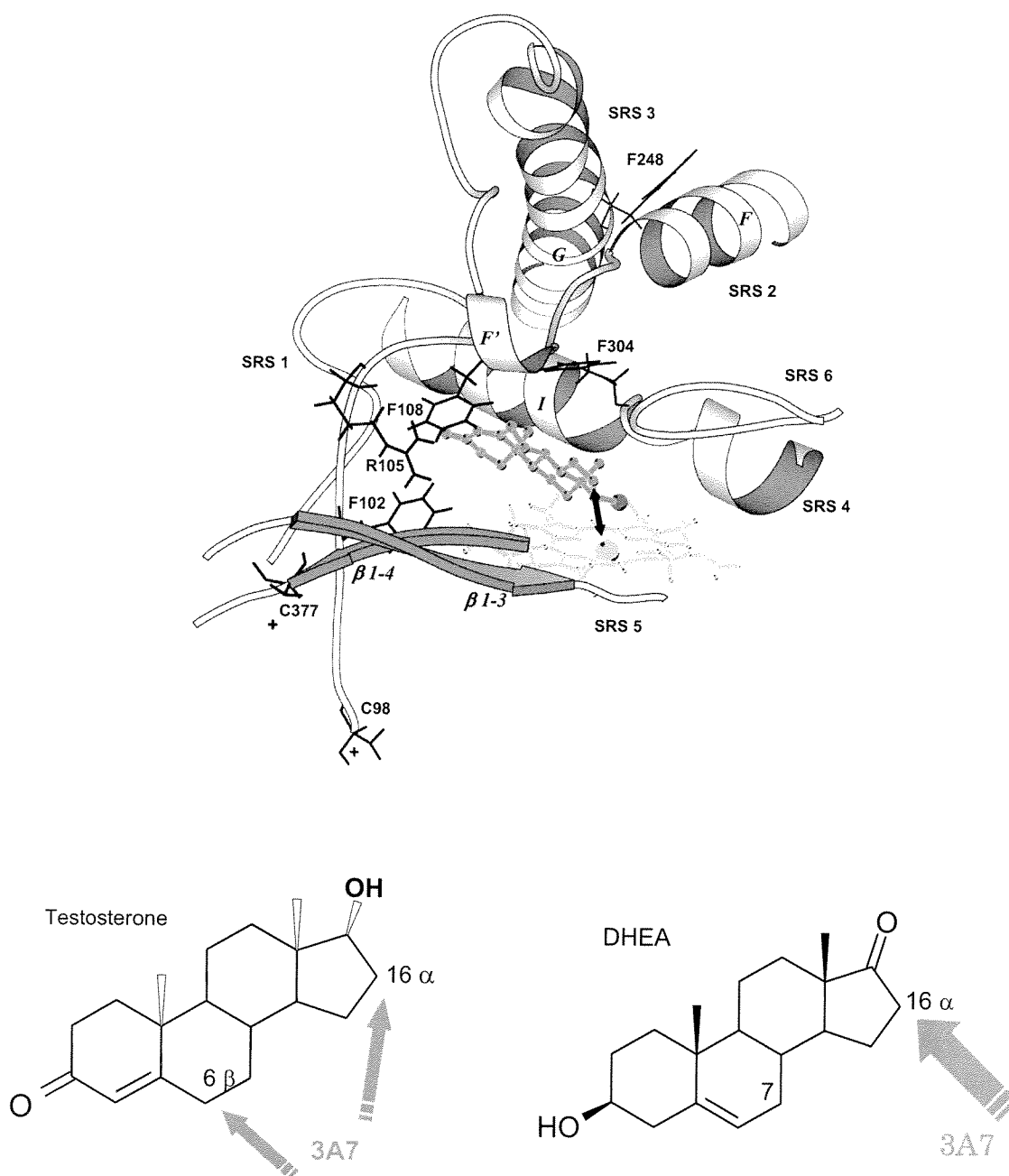


FIGURE 4B

# REPLACEMENT SHEET

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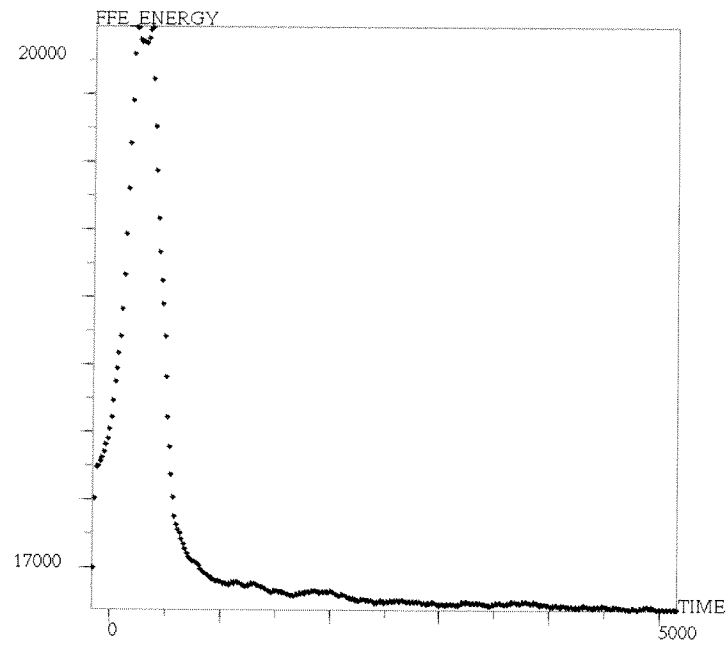


FIGURE 5